"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G., AND OTHERS

Determination of the absolute configuration of some tertiary amines and some quaternary ammonium salts. In German.

p. 62. (ACTA UNIVERSITATIS SZECEDIENSIS) Vol. 2, no. 1/4, 1956
~~Budapest~~, Hungary
Szeged

SO: Monthly Index of East European Accessions (FEAI) LC, Vol. 7, No. 3, March 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

A new reaction of the cyclization of amino alcohols; preparation of 2-imido-4, 5-cyclopentano-1, 3-oxazolidine. In French.

p. 74. (ACTA UNIVERSITATIS SZEGEDIENSIS) Vol. 2, no. 1/4, 1956
Budapest, Hungary
Sz EGE D

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

HUNGARY/Organic Chemistry - Natural Substances and Their Synthetic Analogues. G-3

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21601

Author : G. Fodor, I. Sallay, F. Dutka
Inst :
Title : Quaternary Ammonium Salts Derived of (-)-Lupinine.

Orig Pub : Acta phys. et chem. Szeged, 1956, 2, No 1 -4, 77-79

Abstract : The configuration of the oxymethyl group with respect to the N atom in (-)-lupinine (I) was studied. Epimer iodides were prepared by the action of $CH_2ICOOC_2H_5$ (II) on I.

The epimer (III), melting point 154°, $[\alpha]^{24}D = -49.06°$ (c = 1.591), was prepared at about 20° of 1.07 g of I and 1.284 g of II in 3 ml it of absolute C_6H_6. The epimer (IV), melting point 148 to 150°, $[\alpha]^{24}D = -84.76°$ (c = 1.05), was obtained of 0.354 g of I and 0.428 g of II in

Card 1/2

Univ Szeged, Hung.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Organic Chemistry - Natural Substances and Their Synthetic Analogues. G-3

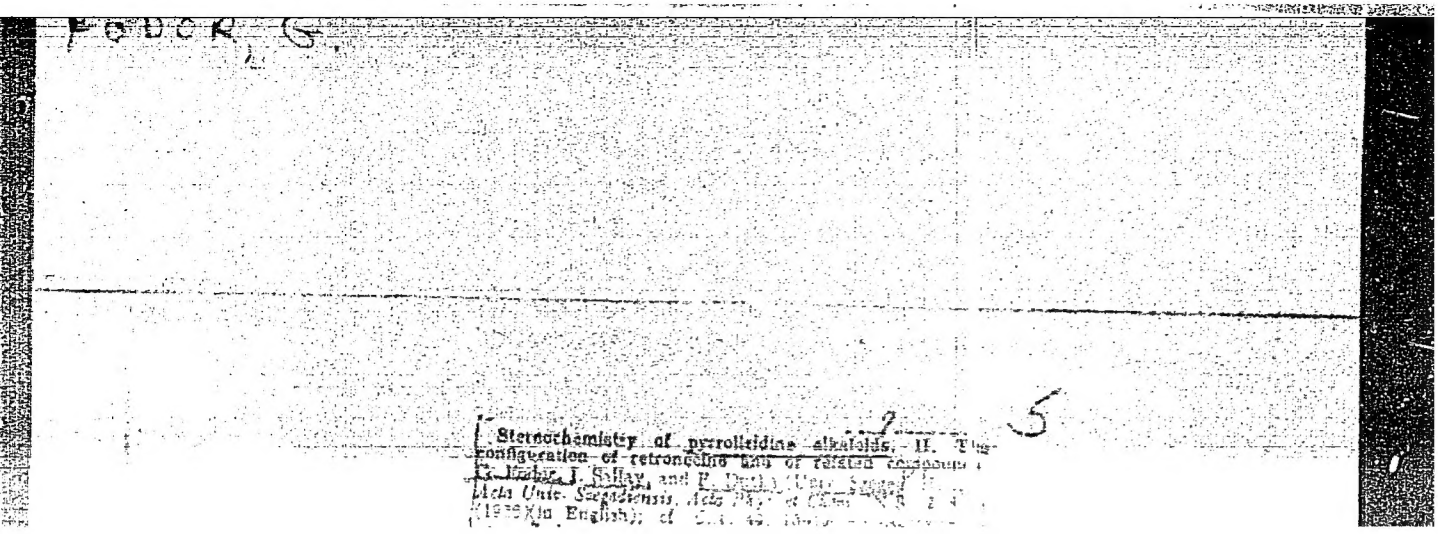
Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21601

1 mlit of absolute alcohol and 3 mlit of absolute C_6H_6 at 95° (22 hours in a sealed tube, after which 43 hours at about 20°). III was transformed into a substance (V), melting point 150 to 152°. $[\alpha]^{24}D = +16.67°$ (c = 1.5), by boiling in 10 mlit of water in a sealed tube (24 hours at 95°). III produces betaine, melting point 244°, $[\alpha]^{26}D = +9.91°$ (c = 1.029), by the action of an excessive amount of Ag_2O in 25 mlit of water (2 hours of shaking) and following boiling (5 hours). The boiling of betaines derived of III, IV and V with HBr or HI does not result in lactonization. All $[\alpha]D$-s were measured in water.

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

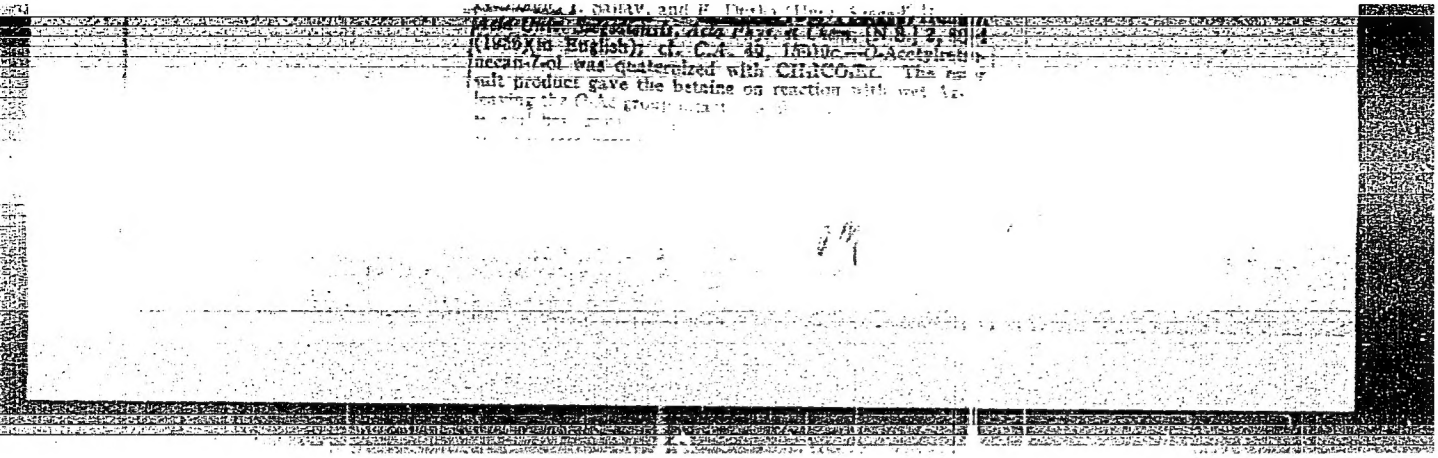
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



Stereochemistry of pyrrolidine alkaloids. II. The configuration of retronecine and of related compounds

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

881. Stereochemistry of tropane alkaloids. IX. Selective quaternisation of tropan-3α-ol and tropan-3β-ol and of their derivatives. G. Fodor, K. Kocska, and J. Lestyán *J. chem. Soc.* 1956 4111-1417 (Inst. of Organic Chem., The University, Szeged, Hung...

Med 3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

J. 1956, No. 3—4, pp. 407—417, 5 figs

Several researchers attempted without success to synthesize the epoxides of the tropane series, such as scopolamine, by means of the corresponding ... derivative, the scopinone or the tropinone compound. Dehydration of the 3α,6β,7α-trihydroxy-tropane compound in the desired manner was also unsuccessful. The author and collaborators converted in subsequent steps the compounds 6β-hydroxy-tropane-type and 3α,6β-dihydroxy-tropane obtained ... into tropenyl acetate. In this manner ... ceeded for the first time in preparing valeroyltro... acetate and isovalerianate of 3α,6β-dihydroxy tropane. The 3α,6β-dihydroxy-tropane compound was dehydrated to tropane oxide yielding tropenyl acetate after several subsequent steps. The positive results of these stereochemical studies were the synthesis of tropine and its ester derivatives ... stereochemical considerations and ... ments contributed equally to the success of these synthetic procedures.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

USSR / Organic Chemistry. Theoretical and General Problems of Organic Chemistry. E-I

Abs Jour : Ref Zhur - Khimiya, No 6, 1957, No 18994

Author : Fodor G., Kochka K., Leshtian I., Tot I., Khal'mosh G., Kovach O., Vincho V.

Inst : Not given

Title : Absolute Configuration of Some Tertiary Amines and Tetraamonium Salts.

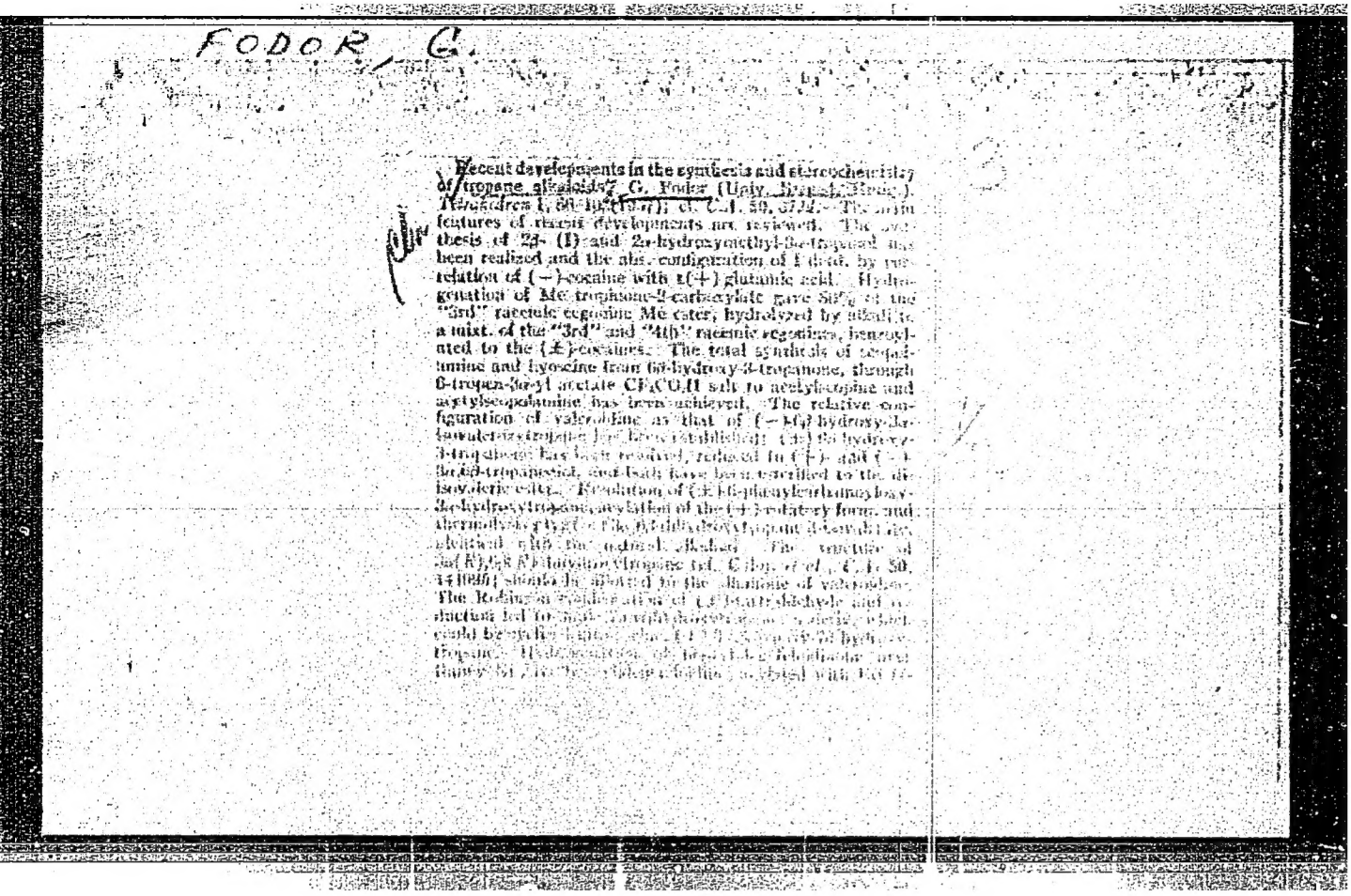
Orig Pub : Uspekhi khimiyi, 1956, 25, No 7, 894-902

Abstract : Review of the work by the authors on the study of the spherical orientation of the bonds of nitrogen and the determination of absolute and relative configuration of tertiary amines and salts of tetraamonium bases in Bibliography with 24 titles.

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



FODOR, G.

Recent developments in the synthesis and stereochemistry of tropane alkaloids. G. Fodor (Univ. Illinois, Chicago). *Tetrahedron* 1, 86–107 (1957); cf. *C.A.* 50, 3774. The main features of recent developments are reviewed. The synthesis of 2β- (I) and 2α-hydroxymethyl-6-tropanol has been realized and the abs. configuration of I found, by correlation of (−)-cocaine with L(+) glutamic acid. Hydrogenation of Me tropinone-2-carboxylate gave 50% of the "3rd" racemic ecgonine Me ester, hydrolyzed by alkali to a mixt. of the "3rd" and "4th" racemic ecgonines, benzoylated to the (±)-cocaines. The total synthesis of norpseudotropine and hyoscine from 6β-hydroxy-3-tropanone, through 6-tropen-3α-yl acetate CF_3CO_2H salt to acetylecgonine and acetylpseudotropine has been achieved. The relative configuration of valeroidine as that of (−)-6β-hydroxy-3α-tigloyloxytropane has been established; (±)-6-hydroxy-3-tropanone has been resolved, reduced to (+)- and (−)-6β-3-tropanediol, and both have been esterified to the diisovaleric esters. Resolution of (±)-6β-phenylethylamino-3α-hydroxytropane, acylation of the (+)-rotatory form, and thermolysis gave (+)-6β-(N-phenylethyl-N-isovaleryl)-amino-3α-isovaleryloxytropane identical with the natural alkaloid. The reaction of 6β,7β-epiminotropine (cf. C. Ing, *et al.*, *C.A.* 50, 14088) should be applied to the synthesis of valeroidine. The Robinson modification of (±)-pseudotropidyl acetonedicarboxylic acid to [illegible] which could be cyclized [illegible] hydroxytropane. [illegible] of the [illegible] with [illegible]

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Fodor, G.

MeCOCl and catalytically hydrogenolyzed over 30% Pd-C to authentic (2*H*)-meteloidine. Additional evidence has been afforded in favor of the structure of 3α,6β,7β-trihydroxytropane for teloidine and of 3β,6β,7β-trihydroxytropano for ψ-teloidine. The deta. of the configuration of the N atom in some tertiary amines and quaternary salts of the tropane series related to (−)-ecgoninol, (±)-3α,6β-dihydroxytropane, and (±)-oseine, and isomerism and ring-opening in the tropines, investigations and considerations concerning the structure of diascorine, and recent stereochem. aspects of the problem of the biogenesis of scopolamine and hyoscyamine are summarized and discussed. C. R. Addinall

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Organic Chemistry. Theoretical and General Questions on Organic Chemistry. G-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43177.

Author : Fodor Gabor, Kovacs Odon, Toth Jozsef, Koczka Karoly, Koczor Istvan, Vincze Iren W., Lestyan Janos, Halmos Miklos, Dobo Pal.

Inst :

Title : Recent Methods and Advances in Stereochemistry of Organic Compounds.

Orig Pub: Magyar tud. akad. Kem. tud. oszt. kozl., 1957, 9, No 1, 77-91.

Abstract: A review, mostly of the work of the athors. Bibliography 58 references.

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G

4

The absolute configuration of valeroidine. G. Fodor, I. Vincze, and I. Tóth (Univ. Szeged, Hung.). *Experientia* 13, 183(1957)(in English).—Previously (+)-tropan-3α,6β-diol 6-phenylurethan had been converted by thermolysis to the antipodes of 3α,6β-dihydroxytropane. The levorotatory form (the alkamine of natural valeroidine with ICH_2CO_2Et gave (−)-*N*-ethoxycarbonylmethyl-3α,6β-dihydroxytropanium iodide, m. 154°, $[\alpha]_D^{18}$ −23.7°, which could be cyclized spontaneously into the dextrorotatory lactone of *N*-carboxymethyl-3α,6β-dihydroxytropanium iodide, m. 264°, $[\alpha]_D^{18}$ +37.5°. According to Hudson's rule and, using the conventions of Cahn, *et al.*, (*C.A.* 50, 14499*h*), valeroidine may be indicated as (3*R*:6*S*)3α,6β-dihydroxytropane-3-monoisovalerate.

D. S. Farner

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

ACTA CHIMICA
Academiae Scientiarum Hungaricae
Vol 13, Nrs 1-2, 1957

THE STEREOCHEMICAL COURSE OF THE CONVERSION OF 2-UREIDO ALCOHOLS INTO OXAZOLIDINES. II *

REARRANGEMENT OF N-THIOUREIDO ALCOHOLS

K. KOCZKA and G. FODOR

(Institute of Organic Chemistry, University of Szeged)

Received April 4, 1956

SUMMARY

(The stereochemical course of the conversion of N-thiocarbamoyl-1,2-amino alcohols, particularly that of O-benzoyl-N-thiocarbamoylephedrine into [illegible] involving inversion has been proved in two different ways which brought [illegible] of the configuration of the thiazolidone with ψ-ephedrine) The analogy between [illegible] and N-thiocarbamoylephedrine into an oxazolidone and a thiazolidone, respectively.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

ACTA CHIMICA
Academiae Scientiarum Hungaricae
Vol 13, Hrs 1-2, 195

SYNTHETIC CONFIRMATION OF THE MECHANISM OF N⇌O ACYL MIGRATIONS

PREPARATION AND REARRANGEMENT OF THE INTERMEDIATE 2,5-DIPHENYL-3,4-DIMETHYL-μ-HYDROXY-1,3-OXAZOLIDINE

K. Koczka and G. Fodor

Institute of Organic Chemistry, University of Szeged

Received April 5, 1956

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

YUGOSLAVIA/Organic Chemistry. General and Theoretical G
Topics of Organic Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73924.

Author : Gabor Fodor, Eva Fodor-Vraga, Arpad Furka.
Inst :
Title : A Kinetic Contribution to the Knowledge of Carbon Rings.

Orig Pub: Croat. chem. acta, 1957, 29, No 3-4, 303-312.

Abstract: With a view to investigate the influence of spatial factors on the mechanism of N→O transposition of the acyl group in N-substituted α -amine alcohols, the rearrangement of cis- and trans-2-benzamidocyclohexanols-1 (I and II) and cis-2-benzamidocyclopentanol-1 (III) into cis- and trans-2-benzoyloxycyclohexylamines and cis-2-benzoyloxycyclopenylamine corres-

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

YUGOSLAVIA/Organic Chemistry. General and Theoretical Topics of Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73924.

pondingly under the action of HCl in dioxane was studied. The rate of the reaction with III was measured at 12 to 42° by the determination of the free amine, and that of the reactions with I and II were measured at 71 to 91° by the alkalimetric titration of the excess of HCl as well. Comparing the data for I, II and III after extrapolating them to 25° with the bibliographical values of the reaction rates of N-benzoyephedrine, cis- and trans-2-acetamidocyclohexanols-1 and cis- and trans-2-N-acetylinozamins (IV), the authors arrive at the conclusion that the transposition rate is determined mainly by the structure of the carbon framework of the alcohol, but not by the character

Card : 2/ 5

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

YUGOSLAVIA/Organic Chemistry. General and Theoretical G
Topics of Organic Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73924.

of the solvent or of the migrating group, the rate ratio of the arylalifatic, cyclopentanic, cyclohexanic and isoaminic derivatives being 1000 : 1000 : 20 : 1 correspondingly. The lesser reaction rates of I and II as compared with III is explained in accordance with the magnitudes of thermodynamic potential changes (I - 24.0, II - 24.3, III - 20.2 kcal per mole) by a lesser probability of intramolecular collisions in the cases of I and II in consequence of the existing conformation equilibrium. The cis-forms are 4 to 6 times more reaction capable than the trans- forms, because the latter can regroup only at the di-E arrangement of the amino and oxy groups, while the E,A, as well as the A,E conformations react in the cis- forms.

Card : 3/5

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

YUGOSLAVIA/Organic Chemistry. General and Theoretical Topics of Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73924.

The above is confirmed by the difference between the activation energy values $\triangle$ E (I - 15.02, II - 17.21 kcal per mole). The value of $\triangle$ E of III (12.89 kcal) corresponds seemingly only to the transposition energy of the aci- group, and the increase of $\triangle$ E of I and II is caused by the energy of the conformation conversion. The proposed mechanism of the regroupment with configuration preservation consists in an electrophilic attack by the proton of the carbonyl O and a following nucleophilic attack by the hydroxyl O of the carbonyl C with the formation of an intermediary cyclic complex. In accordance with the above, the little reaction capacity of IV can be explained by the difficulty of a nucleophilic attack

Card : 4/5

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73924.

in consequence of the participation of the hydroxyl O in the formation of the hydrogen bond. The reaction of the corresponding III trans- derivative does not agree with that mechanism and could not be studied, because it proceeds with a Walden inversion.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Distr: 4E2c(j)

48. **A synthetic confirmation of the mechanism of N⇌O acyl migrations. The preparation and rearrangement of the intermediate 2,5-diphenyl-3,4-dimethyl-α-hydroxy-1,3-oxazolidine.** (In English) K. Koczka, G. Fodor. *Acta Chimica Academiae Scientiarum Hungaricae*. Tomus 13, 1957, No. 1—2, pp. 83—88

Since the significance of N⇌O migrations has been recognized for natural proteins and because the reaction is useful in determining configurations there is a growing interest in the field of organic chemistry in this important process. The synthesis of the bromo-magnesium salt of (±) *threo*-2-hydroxy-2,5-diphenyl-3,4-dimethyl oxazolidine is described which was carried out by the addition of phenylmagnesium bromide to (±) *trans*-2-oxo-3,4-dimethyl-5-phenyl oxazolidine. This synthesis affords an unequivocal confirmation of the structure of the intermediary product of the N⇌O acyl migrations occurring in benzoyl-ψ-ephedrine since both products of the reversible acyl migration reaction could be obtained from the bromomagnesium salt. The result can be generalized for the case of acyl amino alcohols which confirms the conception of Fodor and Kiss and, independently of them, of Welsh about the reaction mechanism.

3
2-May
1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Distr: 4E2c(j)

4

2 May

1

49. The stereochemical course of the conversion of 2-ureido alcohols into oxazolidines. Rearrangement of N-thioureido alcohols. (In English) K. Koczka, G. Podor. *Acta Chimica Academiae Scientiarum Hungaricae*. Vol. 13, 1957, No. 1—2, pp. 89—98

The stereochemical process of the conversion of N-thiocarbamyl-2-amino alcohols, particularly that of O-benzoyl-N-thiocarbamyl-ephedrine, into thiazolidone-2-imides involving inversion has been proved in two different ways which showed correlation of the configuration of the thiazolidone with *pseudo*-ephedrine. The analogy between the cyclization of N-carbamyl- and N-thiocarbamyl-ephedrine into an oxazolidone and a thiazolidone imide, respectively, may be considered as conclusive evidence for the participation of carbonyl oxygen in ring formation and splitting off of propanol oxygen in the former case. Simultaneously, owing to the close relationship of the two mechanisms, acyl migrations which are accompanied by inversion must follow the same course. A new method of ring opening for 2-oxazolidones is presented.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Analytical Chemistry. Analysis of Inorganic Compounds. E

Abs Jour: Ref Zhur-Khimiya, No 21, 1958, 70551.

Author : Fodor.
Inst : Akad. Kem.
Title : Determination of Uranium by a Combined Method of Ion Exchange and Complexometry.

Orig Pub: Magyar tud. akad. Kem. tud. Oszt. Kozl., 1958, 9, No 4, 463-470.

Abstract: No abstract.

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Chemical Technology. Chemical Products and Their Applications. Industrial Organic Synthesis. H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28946.

Author : Fodor, G. and Beregi, L., and Kallay, F.
Inst : Hungarian Academy of Sciences.
Title : Results from Investigations on the Chemistry of Furan in Hungary.

Orig Pub: Acta Chim Acad Sci Hung, 15, No 3, 315-323 (1958) (in French with English and Russian summaries)

Abstract: A survey of work done (1955) on the utilization of furfurol (I) as an intermediate in the production of plastics and pharmaceuticals. The following processes have been developed through the pilot-plant stage: (a) the production of pyromucic acid

Card : 1/3

206

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Chemical Technology. Chemical Products and Their Applications. H
Industrial Organic Synthesis.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28446.

(II) in yields of 96-98% by the oxidation of I with O_2 or with air in the presence of $Ca(OH)_2$ and using Ag_2O as the catalyst (C); (b) the decarboxylation of II in the vapor phase (C: quinoline) with the separation of furan (III) from CO_2 by adsorption on charcoal; (c) the oxidation-decarboxylation of I in the vapor phase (C : oxides of heavy metals, particularly Pb); (d) the cleavage of the ring of derivatives of III, particularly of III itself, with H_2O_2 and HCl or with H_2SO_4, leading to the formation of maleic acid (IV) in the first case and of IV and succinic acid, in the second case. Industrial methods for the continuous hydro-

Card : 2/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Chemical Technology. Chemical Products and Their Applications. H
Industrial Organic Synthesis.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28446.

genation of I to furfurol alcohol (C: Cu chromite) and of III to tetrahydrofuran have also been developed. -- Ya. Kantor.

Card : 3/3

207

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

SCIENCE

PERIODICALS. ~~ACTA ZOOLOGICA~~. Vol. 64, No. 7/8 July/Aug. 1958
MAGYAR KEMIAI FOLYOIRAT

Fodor, G. Some newer applications of conformation anaylsis in the chemistry of hydrocarbons. p. 298

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

SCIENCE

PERIODICAL: MAGYAR KEMIAI FOLYOIRAT. Vol. 64, no. 7/8, July/Aug. 1958

Fodor, G. Stereochemistry of Prins reaction and its application to ketomes. p. 301.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2, February 1959, Unclass.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

1

Constitution of trimethylsulfoxonium iodide. D. Bánfi, G. Fodor, and L. Otvos (Hung. Acad. Sci., Budapest). *Chem. & Ind.* (London) 1959, 1102.—C_4H_9I with Me_2SO gave $(C_4H_9Me_2SO)I$ (I), which was transmethylated with C_5H_5N and quinoline by the procedure of Kuhn and Trischmann (*C.A.* 52, 14523g) for the radioinactive compd. The quaternary salts formed were found to be ½rd as active as I, which was evidence for sym. bonding of the 3 Me groups and hence for the *S*-oxo-*S*-trimethylsulfonium salt constitution of the adduct. The results agreed with the structure suggested by K. and T. (*loc. cit.*) and by Smith and Winstein (*C.A.* 53, 4180e). Rip ~~Ca Rice~~

Card 1/1 aht

4
4E32
1 Jul (HB)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

KONDI,V.; IACOBESCU,A.; BALAN,St.; FODOR,G.; MITRICA,Natalia.

An anticoagulant inhibiting thromboplastin formation .
Rumanian M. Rev. 4 no.1:37-39 Ja-Mr '60.
(THROMBOPLASTIN)
(ANTICOAGULANTS pharmacol.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

BECK, Mihaly; BITE, Pal; BRUCKNER, Gyozo; CSENTES, Jozsef; CSUROS, Zoltan; DEAK, Gyula; ERDEY-GRUZ, Tibor; ERDEY, Laszlo; FABIAN, Pal; FINALY, Istvan; FODOR, Gabor; FODORNE CSANYI, Piroska; GYORBIRO, Karoly; INZELT, Istvan; KUCSMAN Arpad; NEUMANN, Erno; PUNGOR, Erno; SCHNEER, Anna; SCHULEK, Elemer; SZABADVARY, Ferenc

Rules for the Hungarian chemical nomenclature and orthography. Kem tud kozl MTA 17 no.1/4:1-292 '62.

1. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Bruckner, Csuros, Laszlo Erdey, G.Fodor, and Schulek). 2. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz). 3. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" technikai szerkesztoje (for Finaly). 4. Muvelodesugyi Miniszterium (for Csentes). 5. Magyar Tudomanyos Akademia Helyesitasi Bizottsage (for Fabian). 6. Nehezipari Miniszterium (for Neumann).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

An account of my study trip to England and the German Federal Republic. Kem tud kozl MTA 18 no.2:325-335 '62.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest, es "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

An account of the symposium arranged on the 75th anniversary of the Belgian Chemical Society. Kem tud kozl MTA 18 no.4:605-609 '62.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest, es "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor

Modern trend of organic chemical research and the significance of exploring reaction mechanism; an introduction to a series of articles. Magy kem lap 18 no.1:12-17 Ja '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutatolaboratorium.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor

Intramolecular rearrangements. Pt. 1. Magy kem lap 18 no.9:
414-422 S '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutatolaboratorium;
"Magyar Kemikusok Lapja" rovatvezetoje.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor

Intramolecular rearrangements. Pt.2. Magy kem lap 18 no.12:593-597 D '63.

1. Magyar Tudomanyos Akademiai Kutato Intezet.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus; BEKE, Denesne; BITE, Pal, kandidatus; DOBO, Pal; FARKAS, Lorant, kandidatus; F. VARGA, Eva; LEMPERT, Karoly, kandidatus; OTVOS, Laszlo, kandidatus; SZANTAY, Csaba, kandidatus; URESCH, Ferenc

An account of the Prague Symposium on Natural Organic Compounds. Kem tud kozl MTA 19 no.1:95-103 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest (for Fodor, Beke, Lempert, Otvos, Uresch). 2. Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalya (for Bite, Dobo, Farkas, F. Varga, Szantay). 3. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Fodor).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus; MOHACSI, Tivadar; TOMASZ, Jeno

Present state of the chemistry of nucleotides. Kem tud kozl MTA 19 no.2:163-179 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest. 2. "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Fodor).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

An account of the 1962 Scientific Congress of the Chemical Society in the German Democratic Republic. Kem tud kozl MTA 19 no.3:357-362 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerksszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

An account of the First Prague Conference on the Chemistry and Biochemistry of Nucleic Acids, arranged by the scientific academies of the socialist countries. Kem tud kozl MTA 20 no.4:471-472 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gaborne

An account of my study trip to the Soviet Union.
Kem tud kozl MTA 19 no.2:239-249 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

Research in stereochemistry, synthesis and biogenesis of tropane alkaloids conducted since 1955. Pt. 1. Kem tud kozl 20 no.3:336-373 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

Research in the stereochemistry, synthesis and biogenesis of tropane alkaloids since 1955. Pt.2. Kem tud Kozl MTA 20 no.4: 441-467 '63.

1. Magyar Tudomanyos Akademia Sztereokemiai Kutato Csoportja, Budapest; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

ERDEY-GRUZ, Tibor, akademikus; BRUCKNER, Gyozo, akademikus; VARGHA, Laszlo; KORACH, Mor, akademikus; FREUND, Mihaly, akademikus; FODOR, Gabor, akademikus; GERECS, Arpad, akademikus; SCHAY, Geza, akademikus; BITE, Pal, kandidatus; BOGNAR, Rezso, akademikus; FARKAS, Lorand, kandidatus

An account of the work of the Section of Chemical Sciences, Hungarian Academy of Sciences. Kem tud kozl MTA 22 no.2:109-152 '64.

1. Secretary, Section of Chemical Sciences, Hungarian Academy of Sciences, and Editor, "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei", Budapest (for Erdey-Gruz). 2. Editorial board member, "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" (for Bruckner, Korach, Freund, Fodor, Gerecs, Schay and Bognar). 3. Corresponding member, Hungarian Academy of Sciences, and Editorial board member, "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" (for Vargha).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gabor, akademikus

An account of my study trip to Northern Europe. Kem tud kozl MTA 22 no.2:289-291 '64.

1. Research Group of Stereochemistry, Hungarian Academy of Sciences, Budapest, and Editorial board member, "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei".

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

DYKHOVA, Z.I.; MATYUSHINA, N.A.; MOSKVINA, M.M.; PROKOF'YEVA, G.P.; KHARLAMOV, V.T.; CHIRKOV, Ye.P.; FODOR, G.; FELIP, I.

[Radioactive isotopes and labeled compounds; a catalog] Radioaktivnye isotopy i mechenye soedineniia; katalog. Moskva, Atomizdat, 1964. 341 p. (MIRA 18:1)

1. Sovet ekonomicheskoy vzaimopomoshchi. Postoyannaya komissiya po ispol'zovaniyu energii v mirnykh tselyakh.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

GALATEANU, I.; FODOR, G.; CHIOTAN, C.; CRISTU, M.

Obtaining ^{59}Fe without a bearer. Studii cerc chim 13 no.10:643-652 O '64.

1. Institute of Atomic Physics of the Rumanian Academy, Bucharest, P.O. Box 35.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

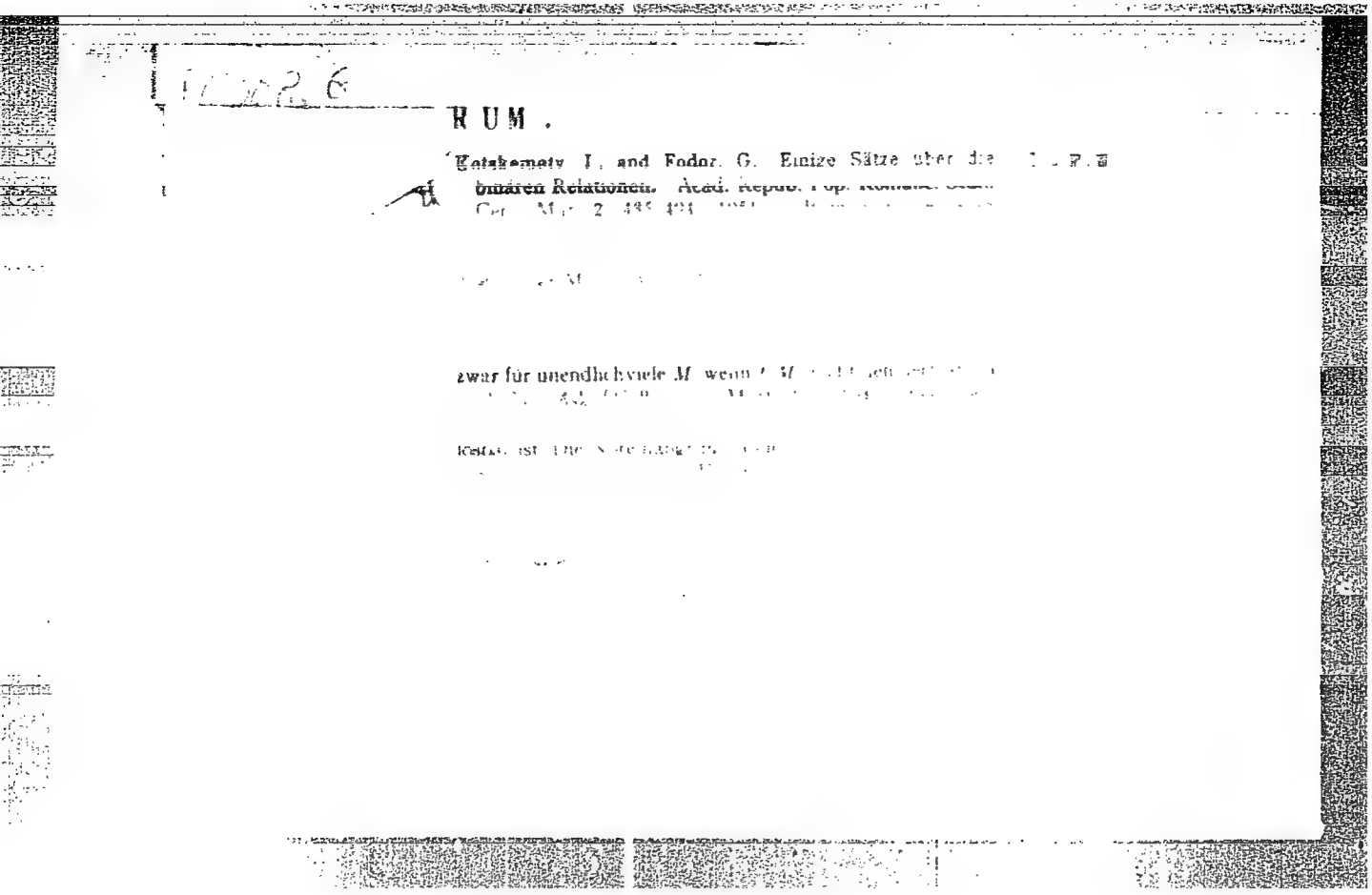
Fodor, G. On two problems concerning the theory of binary relations. Publ. Math. Debrecen 1, 199–200 (1950).

Suppose that to each point x of the unit interval there corresponds a set $S(x)$, called the picture of x, such that $g(x)=d(S(x), x)>0$. Two points are called independent if neither of them belongs to the picture of the other; it is convenient also to call a set independent if any two points of it are independent. The author proves that (a) there exists an independent set of the power of the continuum and (b) if there exists a measurable function f such that $0<f(x)\leqq g(x)$ for all x, then there exists an independent set of positive measure. [Reviewer's comment. The author's proof proves the stronger assertion (c) if μ is a nonnegative, countably additive measure defined on a Boolean σ-algebra B containing all intervals, if μ is not identically zero, and if there exists a function f measurable with respect to B and such that $0<f(x)\leqq g(x)$ for all x, then there exists an independent set E in B such that $\mu(E)>0$. If B is the class of Lebesgue measurable sets and μ is Lebesgue measure, then (c) reduces to (b); if B is the class of all sets and μ is the measure that is ∞ on all sets of the power of the continuum and 0 on all sets of smaller cardinality, then (c) reduces to (a). Not having made this comment, the author has to present his proof twice.] *P. R. Halmos.*

Source: Mathematical Reviews, Vol 12 No. 6

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



R U M .

Katchmety I. and Fodor, G. Einige Sätze über die [illegible] binären Relationen. Acad. Repub. Pop. Romîne. [illegible]

zwar für unendlichviele M wenn M [illegible]

[illegible]

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Mathematical Review
June 1954
Analysis

(1)

Fodor, G. Proof of a conjecture of P. Erdős, Acta Sci. Math. Szeged 14, 219–227 (1952).

Soit E un ensemble non dénombrable de puissance $\mathfrak{m}$ et $\mathfrak{n}$ un nombre cardinal donné, tel que $\aleph_0 \leqq \mathfrak{n} < \mathfrak{m}$. Si $R \subset E \times E$ est une relation binaire entre éléments de E telle que card $R(x) < \mathfrak{n}$, R est coloriable avec moins de $\mathfrak{n}$ couleurs (c'est-à-dire, il existe une relation d'équivalence $U \subset E \times E$ telle que $R \cap U \subset \Delta$ et card $(E/U) \leqq \mathfrak{n}$). Ce théorème, qui avait été conjecturé par P. Erdős [Proc. Amer. Math. Soc. 1, 127–141 (1950), pp. 133–137; ces Rev. 12, 14] donne immédiatement une démonstration de la conjecture de Ruziewicz (c'est-à-dire, il existe un sous-ensemble $X \subset E$ tel que $R \cap (X \times X) \subset \Delta$ et card $X = \mathfrak{n}$) dans le cas où $\mathfrak{m}$ ne peut être décomposé en une somme de $\mathfrak{n}$ ou d'un nombre moindre de nombres cardinaux dont chacun est plus petit que $\mathfrak{m}$. *J. Riguet.*

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

Mathematical Reviews
Vol. 15 No. 2
Feb. 1954
Analysis

Fodor, G. An assertion which is equivalent to the generalized continuum hypothesis. Acta Sci. Math. Szeged 15, 77–78 (1953).

For every ordinal number α, the following two propositions are equivalent: (1) $2^{\aleph_\alpha}=\aleph_{\alpha+1}$. (2) Let $|E|=2^{\aleph_\alpha}$, and denote by B the class of all subsets of E of power 2. Then there exists a mapping, T, of B into E such that (a) if $r=\{x, y\}\in B$, then either $T(r)=x$ or $T(r)=y$, and (b) if $E_1\subseteq E$ and $|E_1|>\aleph_\alpha$, then E is equal to the union of the sets $r\in B$ for which $T(r)\in E_1$. *F. Bagemihl.*

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

FODOR, G. - Koslemenyei - Vol. 5, no. 1, 1955.

Problem of the set theory. p. 57.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

3000

51 Differentiating and integrating circuits — Gy

[illegible] No 2, pp 33 [illegible]

The study is divided into a theoretical and a practical part. The theoretical part starts out from the simplest C—R differentiating circuits which are shown to give the first derivative of the input voltage. Subsequently the conditions of the best differentiating circuits are dealt with. It is proved that ideal differentiating circuits can only be achieved by using elements with negative characteristics. With passive elements only approximative differentiating circuits can be obtained. The paper describes the best differentiating circuits obtainable with passive elements and some connections combined with amplifiers. The effect of leakage currents and of stray capacities [illegible] as differentiators. The practical part describes the methods of realizing negative resistances and some valve circuits as well. The working of the circuits [illegible] wave and sawtooth voltages. [illegible] are furnished.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, C.

FODOR, G. Generalization of a theorem of Alexandroff and Urysohn. In English. p. 204.

Vol. 16, No. 3/4, Dec. 1955.
ACTA SCIENTIARUM MATHEMATICARUM
SCIENCE
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

FODOR, G. Some results concerning a problem in set theory. In English.
p. 232.

Vol. 16, No. 3/4, Dec. 1955.
ACTA SCIENTIARUM MATHEMATICARUM
SCIENCE
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

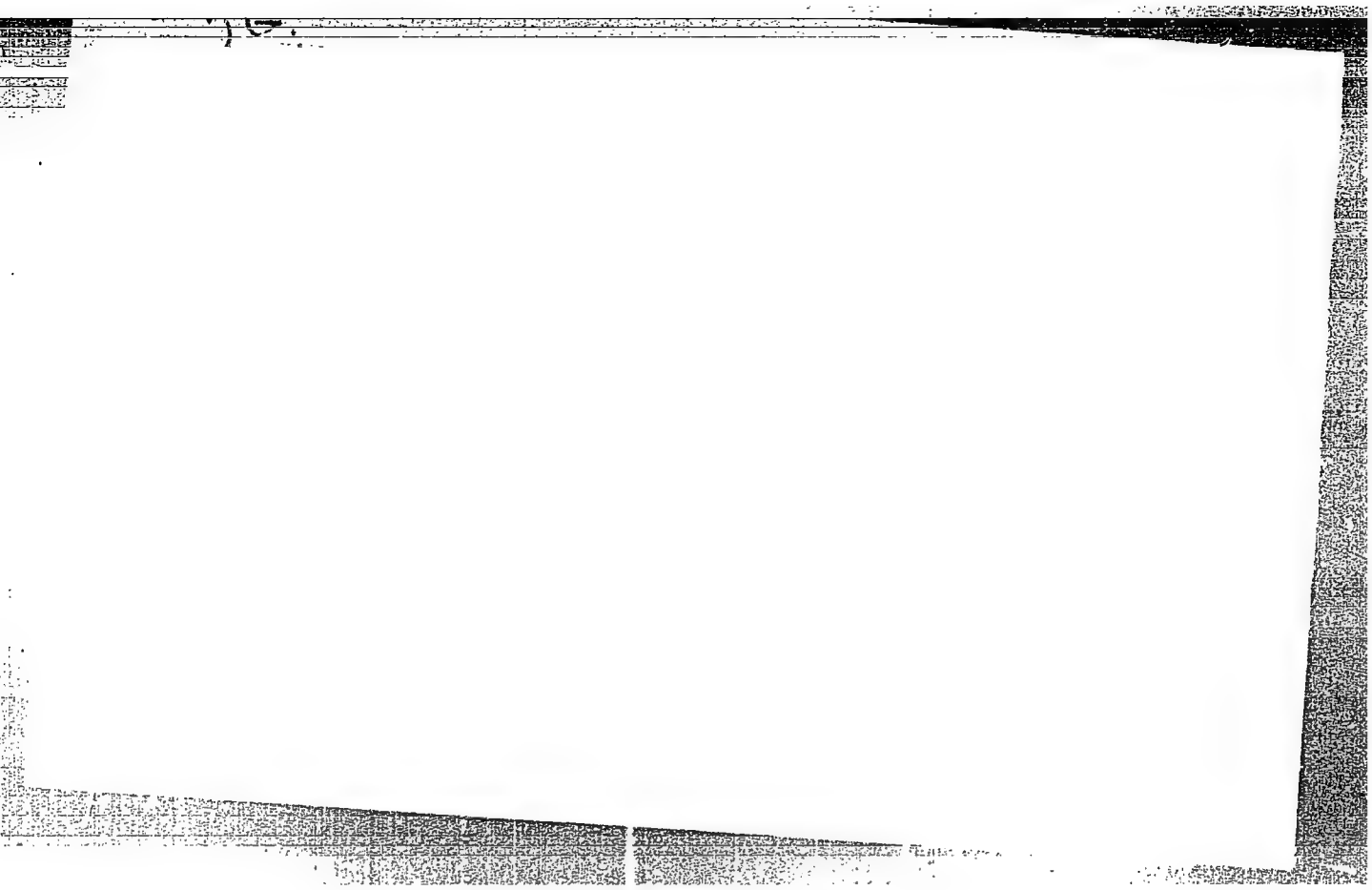
FODOR, GY.

Interpretation of characteristics of electromagetic fields and basic equations. p. 53. Vol. 4, No. 1 1956. Budapest, Hungary. MAGYAR FIZIKAI FOLYOIRAT.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1 January 1956.

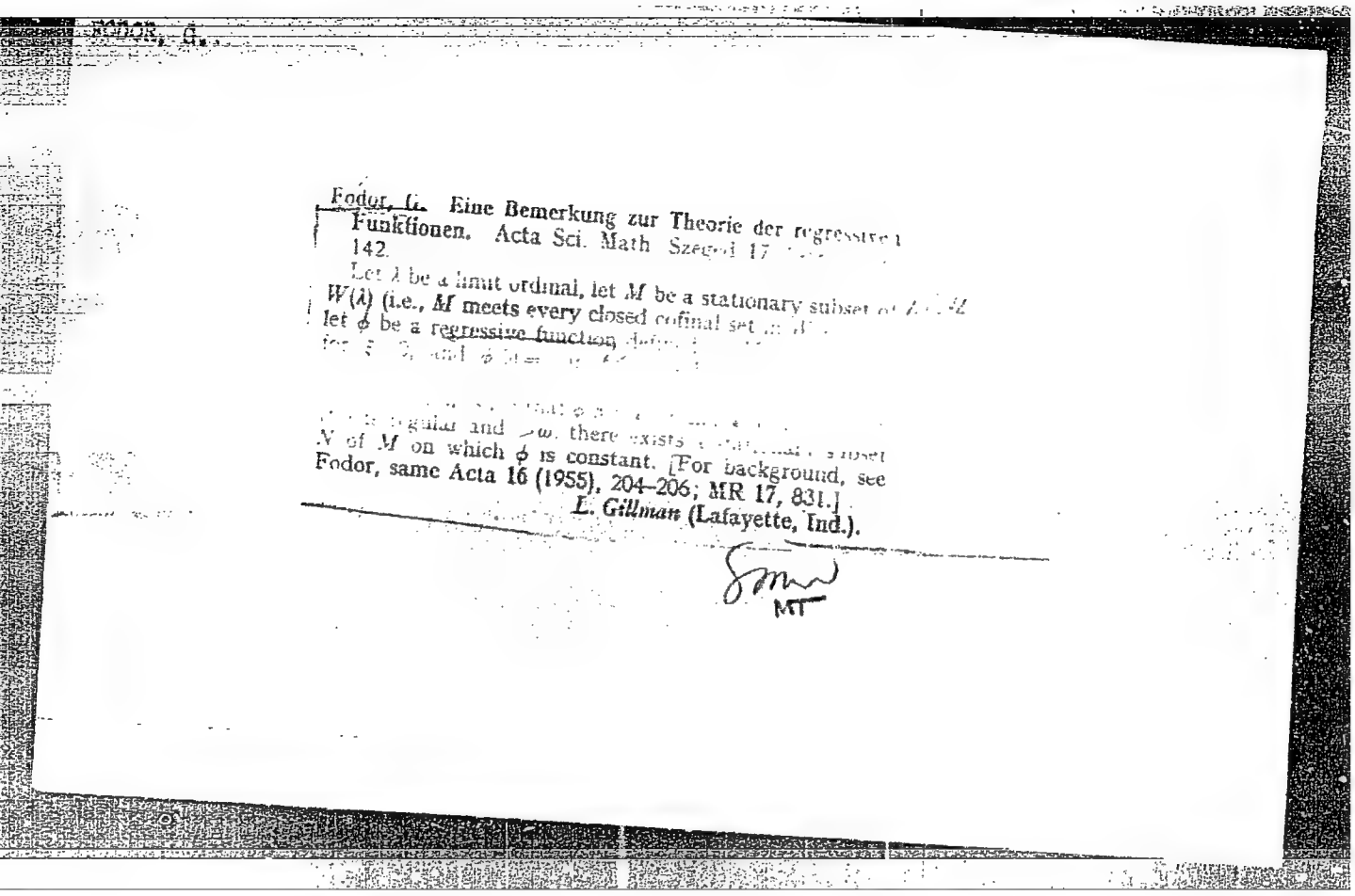
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



Fodor, G. Eine Bemerkung zur Theorie der regressiven Funktionen. Acta Sci. Math Szeged 17 [illegible] 142.

Let λ be a limit ordinal, let M be a stationary subset of λ [illegible] $W(\lambda)$ (i.e., M meets every closed cofinal set in λ) [illegible] let ϕ be a regressive function [illegible] for $\xi < \lambda$ and ϕ [illegible]

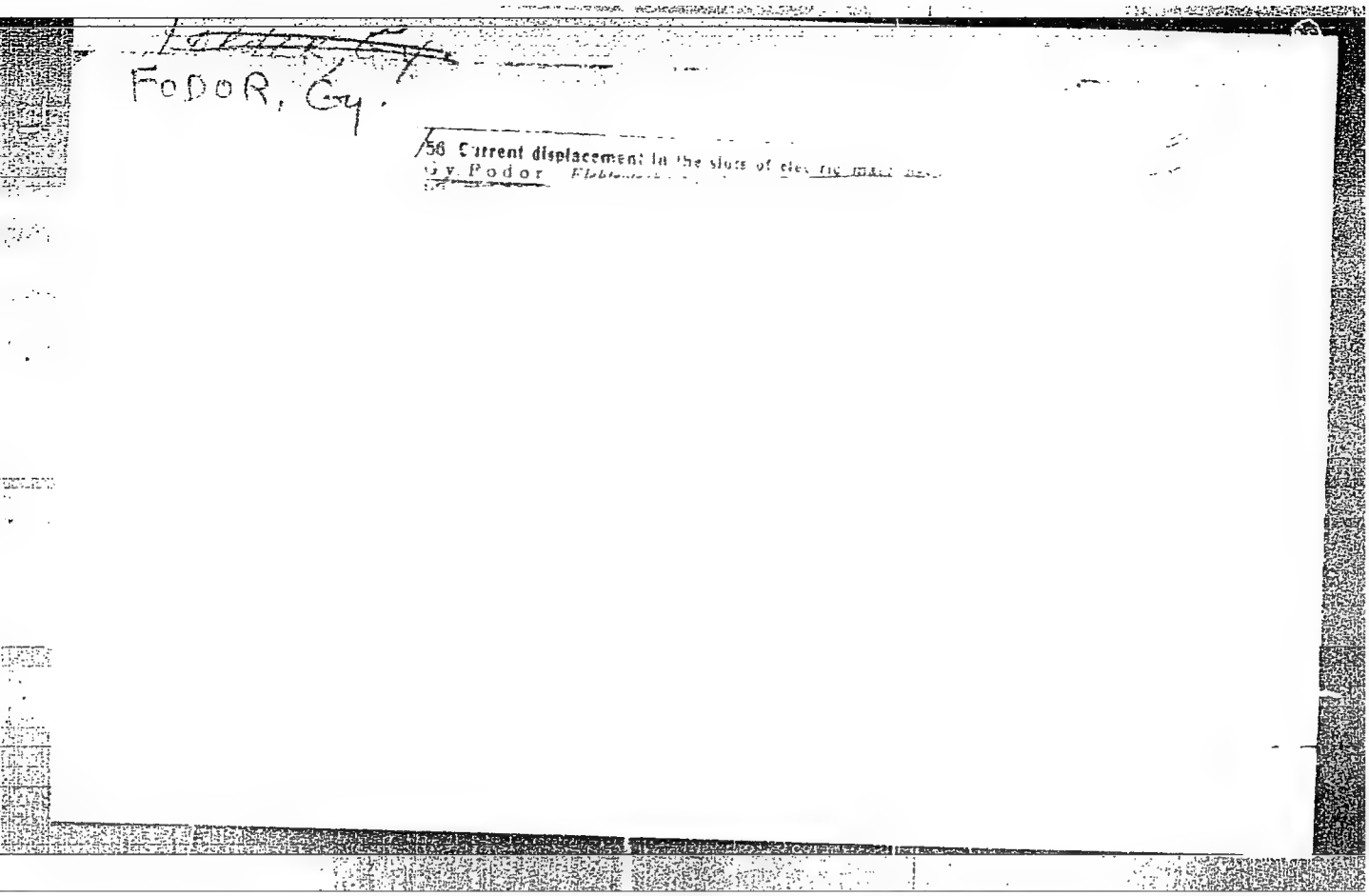
[illegible] regular and $> \omega$, there exists [illegible] subset N of M on which ϕ is constant. [For background, see Fodor, same Acta 16 (1955), 204–206; MR 17, 831.]

L. Gillman (Lafayette, Ind.).

MT

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

"Calder Hall."

p. 71 (Energia Es Atomtechnika) Vol. 10, no. 2/3, May/June 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

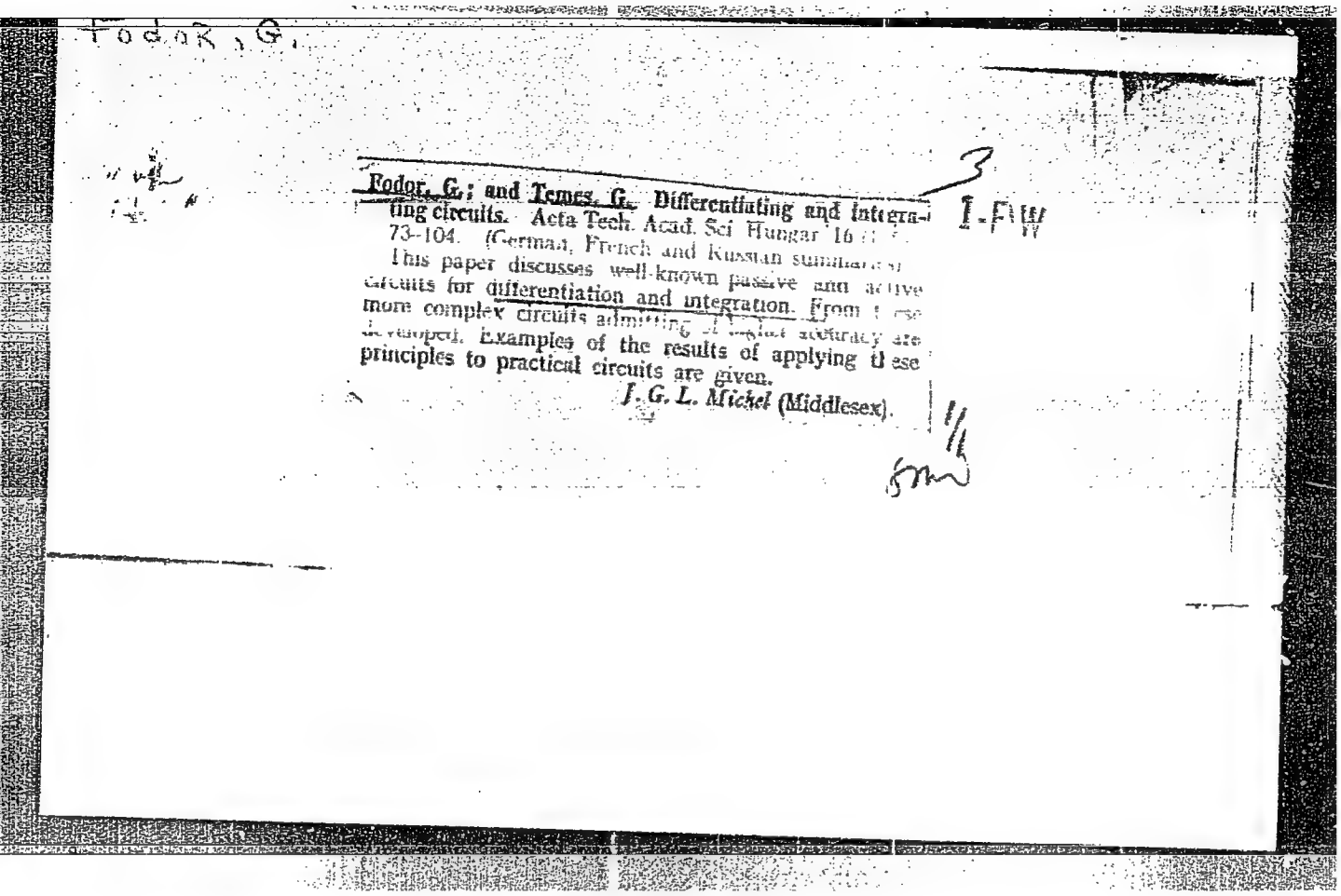
Regulation of reactors. I. (To be contd.)

P. 582. (ENERGIA ES ATOMTECHNIKA.) (Budapest, Hungary) Vol. 10, No. 11/12, Nov./Dec. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



Fodor, G.; and Temes, G. Differentiating and integrating circuits. Acta Tech. Acad. Sci Hungar 16 [illegible] 73–104. (German, French and Russian summaries)

This paper discusses well-known passive and active circuits for differentiation and integration. From these more complex circuits admitting of [illegible] accuracy are developed. Examples of the results of applying these principles to practical circuits are given.

J. G. L. Michel (Middlesex).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FÜLÖP, GY.

A theorem of the Laplace transformation.

P. 35 (ELEKTROTECHNIKA) Budapest, Hungary Vol. 50, No. 1/2, Jan./Feb. 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

F. D. R., G.

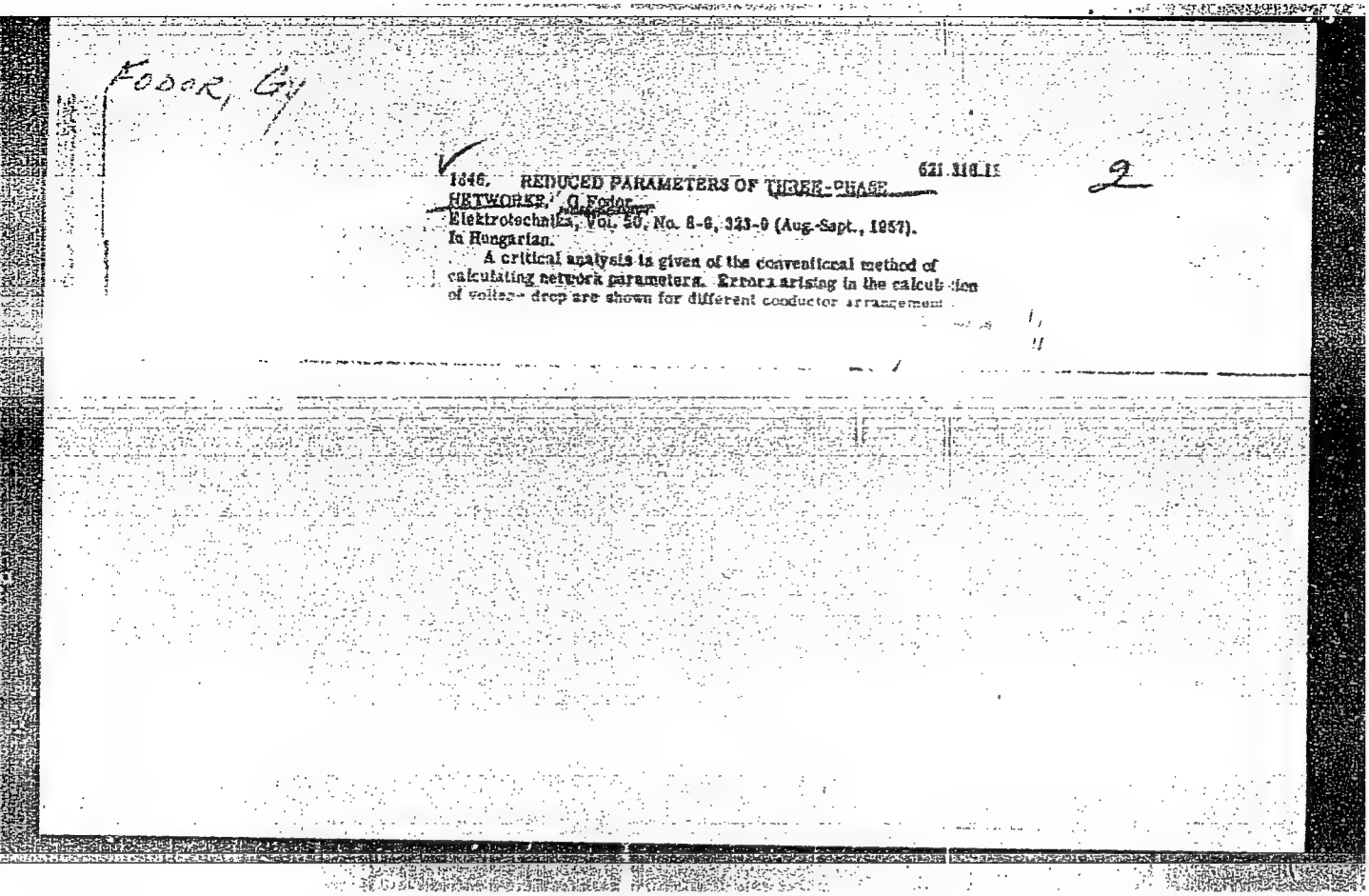
Erdös, P.; and Fodor, G. Some remarks on set theory, VI. Acta Sci. Math. Szeged 18 (1957), 243–260.

Let E be a given uncountable set of power m and let R be a relation on E. For x in E, let $R(x)$ denote the set of elements y in E for which xRy holds. Two distinct elements of E, x and y, are called independent if $x \notin R(y)$ and $y \notin R(x)$. A subset F of E is called free if F has only one element, or if F has more than one element and each two are independent. Let B be a system of subsets of E and I a $\mathfrak{p}$-additive ideal of B, $\mathfrak{p} \leq m$. (A non-empty subset $I \subset B$ is a $\mathfrak{p}$-additive ideal if the sum of any system of power smaller than $\mathfrak{p}$, of elements of I, is also in I, and if $X \in I$, $Y \in B$, $Y \subset X$ imply $Y \in I$.) Let $\{x\} \in B$ and $\{x\} \in I$ for every $x \in E$. Let one of the following conditions hold for the sets $R(x)$: (A) There is a cardinal number $n < m$ such that $|R(x)| < n$ for every x in E; (B) E is a metric space and $d(x, R(x)) > 0$, where $d(x, R(x))$ is the distance from x to the set $R(x)$.

Numerous results about the following problem are given. (i) If A is a system of sets of $B-I$, does there exist a free subset E' of E such that $X \cap E' \in B-I$ for every $X \in A$? For example, an affirmative answer is given in the case where $m > \aleph_0$ is less than the first weakly inaccessible aleph, $B = 2^E$, I is an $\aleph_{\gamma+1}$-additive ideal

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3



FODOR, Gy

1846. REDUCED PARAMETERS OF THREE-PHASE NETWORKS. G Fodor. Elektrotechnika, Vol. 50, No. 8-9, 323-9 (Aug.-Sept., 1957). In Hungarian.

621.316.11

2

A critical analysis is given of the conventional method of calculating network parameters. Errors arising in the calculation of voltage drop are shown for different conductor arrangement

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Nuclear Physics - Nuclear Power and Technology C-8

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7767

Author : Fodor Gyorgy
Inst : -
Title : Control of Reactors, Part II.

Orig Pub : Energia es atomtechn., 1958, 11, No 1-2, 1-8

Abstract : Survey article on the control of reactors. The following problems are considered: self-regulation of the reactor, control rods, the reactor-control loop, the transfer function, programmed regulation, and starting and stopping of the reactor. -- V.I. Lend'yel

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Nuclear Physics - Nuclear Power and Technology C-8

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7736

Author : Fodor Gyorgy
Inst : -
Title : Dictionary in Nuclear Engineering

Orig Pub : Energia es atomtechn., 1958, 11, No 1-2, 39-40

Abstract : An explanation is given of many terms pertaining to reactors.

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Nuclear Physics - General C-1

Abs Jour : Ref Zhur - Fizika, No 3, 1959, No 4933

Author : Fodor Gyorgy
Inst :
Title : Systems of Units in Atomic Engineering

Orig Pub : Energia es Atomtechnika, 1958, 11, No 3, 138-142

Abstract : The author analyzes the MKS, CGS and the practical atomic system, the technical system of absolute units, and the so-called modified absolute system. A table of conversion of various quantities from one system to another is given. The author draws the following conclusion from his premises: for physical problems it is best to use the system MKS, CGS, the practical atomic, and possible also the modified atomic; for technical problems it is best to use the MKS or the technical system of units. -- V.I. Lend'yel

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

HUNGARY/Nuclear Physics - Nuclear Technology and Power Engineering C-8

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 5273

Author : Fodor Gyorgy
Inst : -
Title : Dictionary of Nuclear Engineering [sic!]

Orig Pub : Energia es Atomtechnika, 1958, 11, No 3, 151-152

Abstract : Expressions are given for the critical demensions of the sphere, cylinder, and tube as functions of the reactor parameter. Tables are given for the physical constants of heavy water and of its chemical properties.

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

HUNGARY/Nuclear Physics - Penetration of Charged and Neutral Particles Through Matter C-6

Abs Jour : Ref Zhur- Fizika, No 5, 1959, No 10186

Author : Fodor Gyorgy
Inst : -
Title : Measurement of the Diffusion Length in Bodies Having a Shape of a Prism, Cylinder, or Sphere

Orig Pub : Energia es Atomtechn., 1958, 11, No 4-5, 294-302

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

Temperature factor. p.650

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary
Vol. 11, no.9/10, Sept./Oct. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

Nuclear technical encyclopedia. p673.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary
Vol. 11, no.11/12, Nov./Dec. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G. (Budapest, XI., Budafoki ut 6-8)

The interpretation of characteristics of fundamental equations of the electromagnetic field. Periodica polytechn electr 3 no.3: 197-215 '59.
(EEAI 10:1)

1. Budapest Polytechnical University Institute for Theoretical Electricity.
(Electromagnetic fields) (Equations)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

Alternating current impedance of sheeted conductors. [illegible] 5.

MAGYAR HIRADASTECHNIKA. (Hiradastechnikai Tudomanyos Egyesulet) Budapest, Hungary. Vol. 10, no. 5, Oct. 1959.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

[illegible], GY.

Encyclopedia of nuclear technique. p.22.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary
Vol. 12, no.1, Jan. 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

"A technical nuclear encyclopedia." p. 182.

ENERGIA ES ATOMTECHNIAK. (Energiagazdalkodasi Tudomanyos Egyesulet). Budapest, Hungary, Vol. 12, No. 2/3, Feb./Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G

142/60. 538.3

Interpretation of characteristics and of fundamental equations of the electromagnetic field. (In English) Gy. Fodor. *Periodica Polytechnica*, Electrical Engineering, Vol. 3, 1959, No. 3, pp. 196—215.

The fundamental equations of the electromagnetic field — the equations of Maxwell — contain four field quantities (E, D, B and H). The two vectors characterising the field intensity (E and B) can be directly defined by forces, of the two induced vectors (D and H) however only the integrated values can be directly measured. Consequently the two last have the character of vector potentials. When the polarization vectors (P and M) are introduced in the presence of matter, only the two field intensity vectors are necessary to describe the field. For the purpose of computations it is expedient to introduce new vectors for the full definition of which some arbitrary assumptions may be set up. The vectors may be defined in such a way as to be identical with the usual D and H, but they can also be defined otherwise without altering the integrated values. There is a formal analogy with the Poynting vector from which the variation of energy density in time can be derived. The subsidiary condition can however be determined without ambiguity from relativity considerations. As to the energy density of the electromagnetic field, only its variation in time can be determined in general cases. Its zero level cannot be fixed without arbitrary suppositions except in some special cases frequently occurring in practice.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, GY.

Encyclopedia of nuclear technique. p.241.

ENERGIA ES ATOMTECHNIKA. Budapest, Hungary. Vol. 12, no. 4, April 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Fodor, Gy.

Characteristics of homogeneous neutron amplifiers. II p. 482

ENERGIA ES ATOMETCHMIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary. Vol. 12, no. 7/8, July/August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

Fodor, Gy.

Nuclear Technical Encyclopedia. p. 498

ENERGIA ES ATOMETCHMIKA. (Energiagzdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary. Vol. 12, no. 7/8, July/August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

Definition and calculation methods of the amplification factor of neutron amplifiers. Periodica polytechn electr 4 no.3:205-225 '60.
(EEAI 10:5)

1. Institute for Theoretical Electricity, Polytechnical University, Budapest.
(Neutrons) (Nuclear reactors)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, G.

The characteristics of homogenous neutron amplifiers. Periodica polytechn electr 4 no.4:305-325 '60. (EEAI 10:6)

1. Institut for Teoretical Electricity, Polytechnical University, Budapest.
(Neutrons) (Nuclear reactors)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy

"Electronic instruments for radioactive radiations" by Heinz Richter. Reviewed by Gyorgy Fodor. Energia es atom 13 no.1/2:88 Ja-F '60.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy

The Pecs Executive Committee of the Federation of Technical and Scientific Associations is ten years old. Pecsi musz szeml 5 no.4: 1-7 O-D '60.

1."Pecsi Muszaki Szemle" felelos szerkesztoje.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gy.

A.C. impedance of laminated conductors. Acta techn Hung 31 no.1/2: 39-68 '60. (EEAI 10:3)

1. Technical University, Budapest, Institute for Theoretical Electrical Engineering.
(Electric currents, Alternating)
(Electric conductors)
(Laminated material)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy

Achievements of technical development. Pecsi musz szeml 5 no.1: 16-18 Ja-F '60.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy

Books and periodicals available tc technical workers and their needs.
Pecsi musz szeml 5 no.3:17-19 J1-S '60.

1. "Pecsi Muszaki Szemle" felelos szerkesztoje.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gy. (Budapest XI, Muegyetem rakpart 3, Ungarn.)

On one of the rules of the Laplace-transformation. Periodica polytechn electr 5 no.1:41-56 '61.

1. Lehrstuhl for Theoretische Elektrotechnik, Technische Universitat, Budapest.

(Laplace transformation)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgyne, okl. villamosmernok.; KEMENY, Tamas, okl. gepeszmernok

Electrical and electronic scales. Meres automat 8 no.5:140-146 '60.

1. Merestechnikai Kozponti Kutato Laboratorium.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gy. (Budapest XI., Muegyetem rakpart 3)

Output and initial values in overidealized electric networks.
Periodica polytechn electr 6 no.2:109-123 '62.

1. Lehrstuhl fur Theoretische Elektrotechnik, Technische Universitat
Vorgelegt von Prof. Dr.K.Simonyi.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy, dr.

Synthesis of sampling control systems with infinite settling time by statistical method. Meres automat 10 no.11/12:358-363 '62.

1. Budapesti Muszaki Egyetem Elmeleti Villamossagtan Tanszek, es Magyar Tudomanyos Akademia Automatizalasi Kutato Laboratorium.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gy. (Budapest, XI., Muegyetem rakpart 3)

The synthesis of sampled-data control systems with finite settling time. Periodica polytechn electr 7 no.2:111-126 '63.

1. Department for Theoretical Electricity, Polytechnical University, Budapest. Presented by Prof. Dr. F. Csaki.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

ERDEY-GRUZ, Tibor, akademikus; DABRONAKI, Gyula, dr.; FODOR, Gyorgy, dr.; KOCZOR, Istvan; KORANYI, Gyorgy, a kemiai tudomanyok doktora; LORINC, Imre, a kemiai tudomanyok kandidatusa; SZEKERES, Gabor, dr.; PILLICH, Lajos, fomernok; PURMAN, Jeno; SZANTAY, Csba, akemiai tudomanyok kandidatusa; SZANTO, Istvan, dr., a kemiai tudomanyok kandidatusa; TOROK, Gabor, a kemiai tudomanyok doktora

Report of the Board of the Department of Chemical Sciences, Hungarian Academy of Sciences. Kem tud kozl MTA 20 no. 2:139-198 '63.

1. Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalya titkara; "A Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Erdey-Gruz). 2. Elelmezesugyi miniszter elso helyettese (for Dabronaki). 3. Tiszai Vegyi Kombinat igazgatoja (for Fodor). 4. Szerves Vegyipari Kutato Intezet igazgatoja (for Koczor). 5. Nehezvegyipari Kutato Intezet igazgatoja (for Koranyi). 6. Nehezipari miniszter helyettese (for Lorinc). 7. Kobanyai Gyogyszerarugyar (for Pillich). 8. Nehezipari Miniszterium foosztalyvezetoje (for Purman). 9. Akademiai Alkaloidkemiai Kutato Csoport (for Szantay). 10. Bernetei Vegyimuvek igazgatoja (for Szanto).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

SZABO, Pal Zoltan; JONAS, Klara, dr.; VARADI, Gyorgy; BIRO, Antal; UPOR, Endre; RADO, Aladar; CZIRJAK, Imre; KOVACS, Jeno; VALKO, Endre, dr.; ADONYI, Ivan; FODOR, Gyorgy; OSZETZKY, Egon; KALMAR, Pal; DANYI, Dezso; GYORGY, Karoly; OVARI, Antal; PHILIP, Miklos; BAKAI, Laszlo; JOO, Oszkarne; SZITAS, Lajos; HELLENYI, Miksa; KOLTA, Janos.

Formation of an uniform country organization for the Federation of Technical and Scientific Associations. Pecsi musz szemle 8 no.4:19-23 O-D'63.

1. "Pecsi Muszaki Szemle" foszerkesztoje (for Fodor).
2. "Pecsi Muszaki Szemle" szerkesztoje (for Hellenyi, Kolta and Oszetzky).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

[illegible], Gy., dr. (Budapest, [illegible])

The effect and the compensation of the disturbing variable in sampled data control systems with finite settling time. Periodica polytechn elektr 7 no. 4:267-279 '63.

[illegible], Department for Theoretical Electricity, Polytechnical University, Budapest. Presented by Prof. Dr. K.Simonyi.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy, dr.

Effect and compensation of the disturbance variable on the sampling control systems with finite settling time. Meres automat 12 no. 1: 7-12 '64.

1. Budapesti Muszaki Egyetem Elmeleti Villamossagtan Tanszek es a Magyar Tudomanyos Akademia Automatizalasi Kutato Laboratoriuma.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy, dr.

Some additional data on the theory of sampling control systems with finite settling time. Meres automat 12 no. 3:75-79 '64.

1. Chair of the Theory of Electricity, Budapest Technical University, Budapest, and Research Laboratory of Automation, Hungarian Academy of Sciences.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgyne, dr.; KO, Klara

Device for processing signals from industrial measuring instruments using counting technique. Meres automat 12 no.4/5:134-139 '64.

1. Central Research Laboratory of Measuring Techniques.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy, dr. (Budapest, XI., Muegyetem rakpart 3)

Some addenda to the theory of sampled-data control systems with finite settling time. Periodica polytechn electr 8 no.2:133-143 '64.

1. Department of Theoretical Electricity, Polytechnical University, Budapest, and Automation Research Laboratory of the Hungarian Academy of Sciences, Budapest.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3

FODOR, Gyorgy; SARKADI, Gyorgy

The situation and perspectives of long-distance heating. Pecsi musz szeml 7 no.2/3:41-44 Ap-S '62.

1. Pecsi Borgyar, es "Pecsi Muszaki Szemle" felelosz szerkesztoje es szerkeszto bizottsagi tagja (for Fodor). 2. Pecs varos tanacsa (for Sarkadi).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413330013-3"